

Three Union Carbide Plants Contribute Over \$155,000 To Anderson's UF

With virtually all the reports in, Y-12's United Fund campaign seems to be the resounding success that early reports showed it to be. A total of \$112,083.67 has been collected thus far, from almost 97 per cent of the plant, more than 110 per cent over the \$109,980.50 total goal!

Anderson County will take the bulk of the money . . . \$61,311.42. Knox County collects \$30,078.82; Roane \$12,307.52; Loudon \$3,738.88 . . . and Morgan, \$2,031.19. Others will get \$1,231.50.

Almost everything was up . . . this year . . . up high. Per capita giving rose nearly \$3 a head . . . total number of participating employees rose to an all-time high of 89 per cent.

The three Oak Ridge plants are giving \$155,255.00 to Anderson County's United Fund; \$62,361.64 to Knox; \$28,750.35 to Roane; \$8,787.55 to Loudon; \$4,087.41 to Morgan, making their important contributions in communities where employees live.

Once again, Y-12's honor roll of departments appears in this issue of the Bulletin, with an addition of one or two.

Special attention should be drawn to the Maintenance Division, with all of its departments going 100 per cent over their goal! One department . . . with 49 employees . . . showed 48 'fair share' givers!

Accounting and Budget, naturally, the smallest division in the plant led the pack. With only 23 members, they showed 23 fair share givers! Assembly, another division giving above and beyond, showed a 100 per cent depart-

ment goal attainment. A total of 50 or 58 employees were fair share givers!

Development, which went 106.72 over its goal, had all departments save one over its goal. Engineering saw only three departments fall beneath the planned goal.

Shift Superintendents and Utilities was another division that exceeded its goal with every department.

Salaried employees in the Maintenance Division (totaling 250) saw 229 go 'fair-share' or 92 per cent!

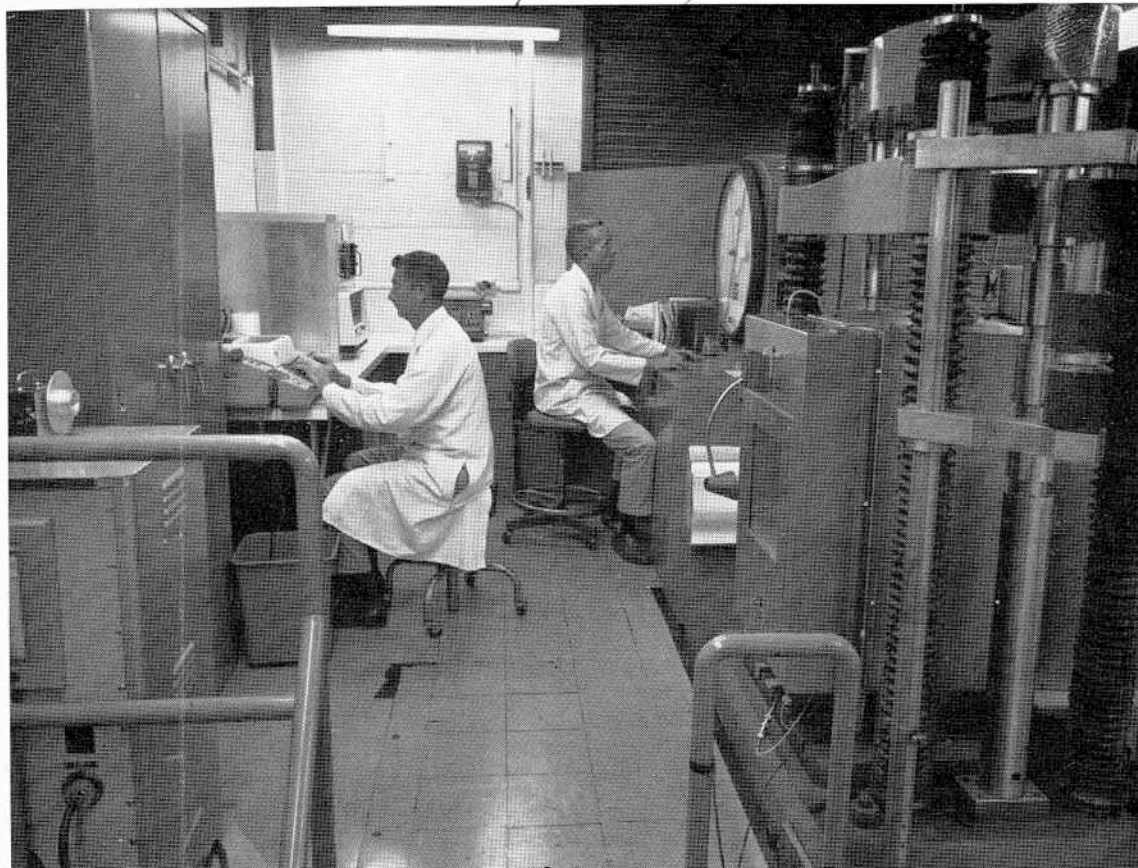
Organized labor units in Y-12 did by far their best in UF giving in 1969 . . . some crafts exceeding their goals by as much as 150 per cent.

Well done, Y-12. Your contributions will help make this community and the others nearby better places to live, and your active participation in many of the agencies involved in the United Fund will contribute to the betterment of our fellow citizens.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
54 Days Or
2,011,000 Man-Hours
(Unofficial Estimate)
Through November 9
Without A Disabling Injury
SAFETY AT HOME,
AT WORK, AT PLAY

6-14587



L. E. KINKAID, at the Teletypewriter and W. C. Hatmaker at the console of the testing machine are featured on the cover of November's Experimental Mechanics Magazine. The Physical Testing men are seen at the subject of an article in the November issue, written by James H. Smith, metallurgical services laboratory.

Y-12er Pens Article On Mechanical Testing

Y-12, and one of its facilities, is the subject of an article in the November issue of Experimental Mechanics, the official Journal of the Society for Experimental Stress Analysis.

Authored by Y-12er James H. Smith, Metallurgical Services Laboratory, the article is entitled

"The Application of a Digital Computer to Mechanical Testing."

The thesis points out how a digital computer is used to record raw data and to provide automatic data calculations for mechanical tests in the plant. The computer, the article states, is connected through an analog digital converter to a universal testing machine and to a torsion tester, and stores the raw load-strain data, converting it to stress-strain data, and calculating any of the mechanical properties desired from the test.

The computer can also provide a printout and a paper tape, both of which contain the stress-strain data points and the calculated data. In addition, the load-strain data that are normally obtained from the test machine are still available. An oscilloscope display is obtained as the data are being recorded.

Tests which are presently being performed using the computer are: tensile, compression, pin bearing, double shear and torsion. Data which are being recorded included: ultimate strength, offset yield strength, elastic and shear moduli, energy under the stress-strain curve, and a mathematical expression for the stress-strain curve. In addition to the mechanical load-strain curve provided by the test machine, the computer can provide a stress-strain curve and a listing of stress-strain data points.

Detailing the plant's history (since 1966) of computer use in mechanical testing, Smith outlines the process in a six-page article, complete with illustrations, sample read-outs and graphs.

In summarizing the article, Smith states, "A digital computer can be interfaced to any mechanical testing machine whose output is in the form of an electric signal. The computer can be programmed to record new data,



James H. Smith

convert them to stress-strain data, and calculate the mechanical properties desired from the test.

"It should be possible, in the near future, to have the computer control such parameters of the test as: strain rate, load rate and crosshead speed.

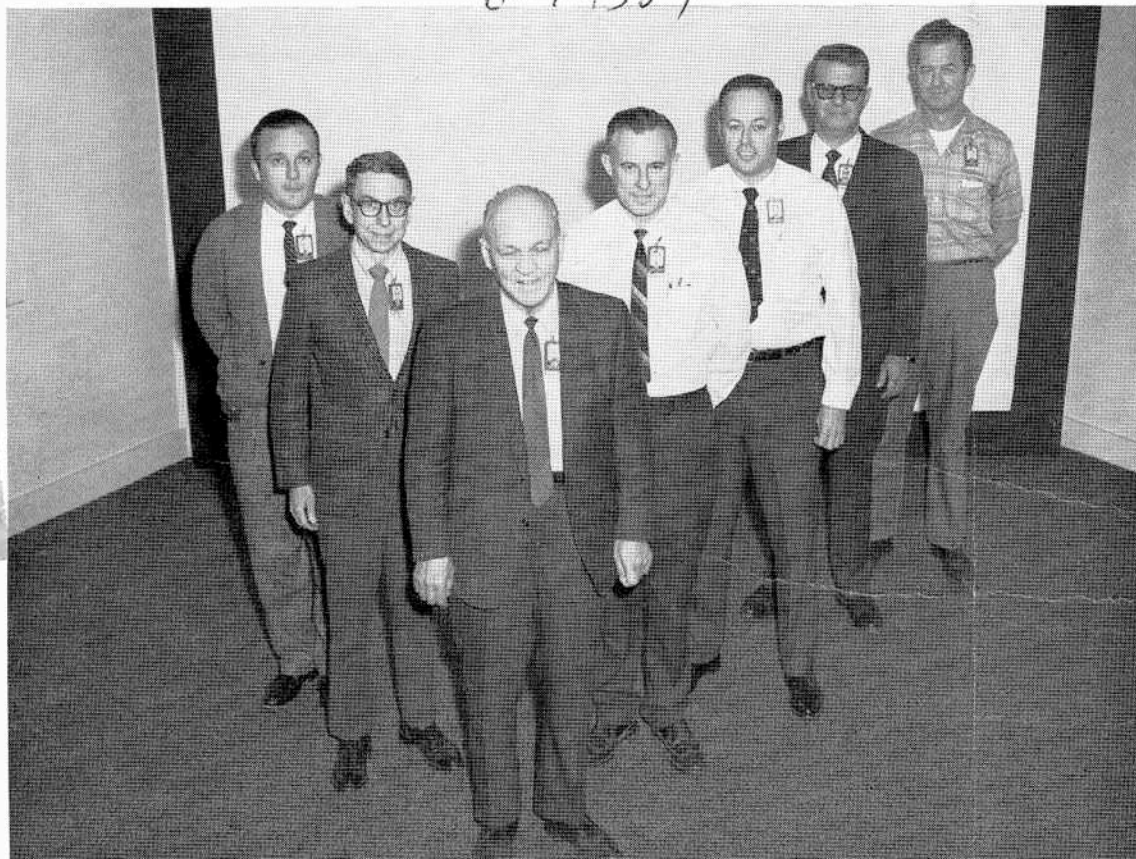
"The advantages gained in time saved, and the ability to easily obtain data that would be very difficult to obtain by any other means, makes the computer an important new tool in the study of mechanical properties."

Smith, who came to Y-12 January 2, 1962, holds a BS degree from Eastern Kentucky State College, Richmond. He also has done graduate work at The University of Tennessee.

He and his family live at 109 Ogden Lane, Oak Ridge.

PERILS OF FREEDOM

In this country nowadays, a boy and girl, any boy and girl, that is, can grow up to be president. It's just one of those risks that everybody has to take!



MAKING A BIG CHECK mark are these Maintenance Division United Fund workers. The big division exceeded its goal 118.25 per cent! Every department in the division gave its goal, and more. The division showed 92 per cent and more of 'fair share' givers. Beginning the check at left, are J. T. Schmitt, John Harding, W. L. Beeler, D. C. Martin, Walt Simmons, Mike Crews and K. C. Fritts. One department . . . Electrical and Electronics . . . with 49 persons, gave 'fair share' with 48 of its men! The division has long been one of the forerunners in drives in the plant, and can be counted on almost without pause always to do 'its part.'

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor



American Association Industrial Editors

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Oak Ridge, Tenn. 37830
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Hill Daughter Is A Top Athlete



Christine Hill

The Journalism Club at South Harriman Junior High School named Christine Hill Girl Athlete of the Month for October, according to her father, R. C. Hill, Buildings and Grounds.

Christine is an excellent basketball player, playing guard last year to help the Pirates win so many games. She also plays volleyball, softball and other sports in the Physical Education program.

Other members of the Hill family share Christine's interest in sports . . . older brother Roger plays flanker back for the Tennessee Tech team at Cookeville.

Hill says his bright daughter maintains a B average, in addition to all her sports activities.

Besides Roger and Christine, there are two other Hills at home . . . Kenneth, in junior high, and Pamela, in the fifth grade. An older brother R. C. Hill Jr. is employed on the Guard force here in Y-12.

Rat is Man's Most Dangerous Enemy!!!

The rat is man's most dangerous natural enemy. Scientists estimate that the diseases carried by rats have caused more deaths to man than all wars combined. In addition to transmitting such diseases as typhus and bubonic plague, rats destroy foodstuffs each year, equaling the total production of 100,000 average farms! In recent years, chemical weapons against rats that are completely safe and effective have been developed and put on the market. This is just one of the developments in chemical pesticides that is helping to protect mankind against the scourge of pests of all types.

Be careful today; be safe tomorrow.

Welding Society Meet Is Tuesday



I. S. Goodman

The Northeast Tennessee Section of the American Welding Society will meet next Tuesday, November 18, at the Scottish Inns of America, Kingston Pike, Knoxville.

Guest speaker will be I. S. Goodman, division welding engineer of the lamp division of Westinghouse Electric Corporation. He will discuss general metallurgical consideration in joining ferrous, non-ferrous and refractory metals. Joining methods to be covered include soldering, brazing, resistance welding, arc welding and some of the newer processes. The subject of his talk is "Metallurgical Problems in Metal Joining."

Goodman has held many offices in the AWS and is currently national district 2 director and a member of the governing board of the technical council. He has also chaired many national committees including the committee that produced the welding courses "Current Welding Processes" and "Modern Welding Processes."

Pre-heat for Tuesday's meeting, begins at 6:30, dinner at 7 and the technical talk at 8. That's at the Scottish Inns of America, 8167 Kingston Pike, Knoxville... next Tuesday, November 18.

International Visitors Invited To Reception

There will be a reception Thursday, November 13, at 8 p.m. at St. Mary's Church Cafeteria, Oak Ridge. Featured will be dancing display, music, singing by a group for international visitors and residents (husbands, wives, single persons.) Refreshments will also be served.

Additional information may be obtained from Oak Ridge 483-6512, 482-2354.



PRETTY AS a picture is Jennifer Ruann Chadwick, born June 25 to Linda and Wally Chadwick, Oliver Springs. Linda worked in Metallurgical Services Laboratory . . . and the proud grandfather, Dean Ford, is in Dispatching.

Does Automobile Make Mr. Hydes Out Of Y-12ers?

(Editor's Note: With improvements coming in the traffic flow in and out of Y-12, perhaps it's a good time to refresh our memory on driving courtesy. It has been stressed time and time again that courtesy is one of the prime factors in moving traffic efficiently. The Safety Department has submitted the following epistle on traffic courtesy hoping it will be beneficial to Y-12 drivers and parkers.)

By and large, Y-12 plant employees are a courteous, polite and friendly group. We have an abundance of the necessary compassion and friendliness that are the basis of all good manners.

But at 7-8 a.m. and 4:30-5 p.m., and other shift change times, when we get behind the wheel of our cars, sometimes the nice, polite Mr. Congeniality is transformed into Mr. Road Hog, and Dr. Jekyll is suddenly the horrible Mr. Hyde.

A man who wouldn't dream of shoving a woman aside to go through the door first, will sometimes cut off her path in a traffic situation with malicious glee.

An operator who will tip his hat to a little old lady when's walking, will roll down his window to swear at her if she gets in his way in traffic. The same man who will jump to his feet to give a lady his chair, will shake a clenched fist at her if she beat him to a parking place.

A secretary who wouldn't raise her voice in a hurricane or use profanity if she were paid to, will spout language that makes a seaman blush, and screams in tones five decibels louder than the plant evacuation horn when she is driving in traffic.

If we behaved with the same courtesy on the road that we do on our jobs, the reduction in traffic hazards would be unbelievable. Bear Creek Road at shift change time wouldn't resemble the Indianapolis "500," or a game of "chicken." We would no more cheat at a red light than we would in a game of bridge.

COURTESY IS CONTAGIOUS.

Asside from the obvious danger, most bad driving habits are downright rude. A courteous driver would never run through a pick-up lane or parking lot just to buck the line and get ahead of other people. He would not deliberately pull into walkways and block them and make people walk in dangerous traffic situations. He would not weave in and out of traffic at dangerous speeds and endanger the lives of many other people. He would follow prescribed traffic patterns in parking lots, on Bear Creek Road, and feeder roads, insofar as possible. A courteous and considerate driver would never buck traffic patterns by using parking lot entrances marked "Entrance Only" for exits, and vice-versa. An individual's behaviour in traffic reveals much about his true personality. Would you be rated as a courteous driver by your fellow employee?

Much money has been expended in providing a safe access and exit to the Y-12 Area. Traffic patterns and flows have been laid out and designed by traffic specialists and are designed in such a way that, with responsible drivers, six separate parking lots with approximately 6,500 cars, can be cleared safely in some 30 minutes.

This is not a record, but is by no means a traffic bottleneck. Unfortunately, only a few inconsiderate drivers can seemingly disrupt the whole traffic flow.

What is my individual responsibility for courtesy? Am I rated as a courteous driver by my fel-



THROUGH THE MAZE of this contorted path, a Y-12er is supposed to wend his way to his automobile. Overlap parking blocks the pedestrian path between the parking slots. Considerate Y-12ers should keep their cars in the confines of the marked spaces. Or are we really becoming a band of Mr. Hydes where our autos are concerned?

low employee? Ask yourself these questions and try to answer them objectively.

The Plant Traffic Committee, along with traffic specialists whom they retain from time to time, are continuously evaluating situations associated with plant traffic with one objective in mind, and that is to expedite the safe flow of traffic in and out of Y-12. Facilities can be constructed, traffic patterns revised, but the courtesy to make these work is dependent upon you individually.



Ride wanted or will join car pool from Cumberland Estates, Knoxville, to North Portal, straight day. Phil King, plant phone 3-5112, home phone Knoxville 588-5170.

Will join car pool from West Knoxville, Kingston Woods area, to Pine Ridge Portal or West Portal, straight day. Earl J. Tullos, plant phone 3-5105, home phone Knoxville 588-7589.

Riders wanted, or will join car pool from West Haven, Cumberland Estates area, Knoxville, to East, North or Central Portal, straight day. J. R. Rutter, plant phone 3-7711, home phone Knoxville 525-0929.

Will join or form car pool from East Drive, Oak Ridge, to North Portal, straight days. W. D. Corbett, Plant Phone 3-7368. Home phone 483-0324.



The frost paints colorful pictures in the East Tennessee hills, as more Y-12ers cross important landmarks with Union Carbide Corporation. Congratulations.

25 YEARS

James L. Crawford, Research Services, November 13.

Walter E. Gary, Facilities Engineering, November 15.

Earl A. Fritts, General Metal Fabrication Shop, November 15.

Phyllis C. Johnson, Data Systems Development, November 16.

Walter M. Redden, Electrical and Electronics Department, November 16.

Duane P. Anderson, Shift Superintendents, November 16.

20 YEARS

Cecil J. Kennedy, Dimensional Inspection, November 14.

15 YEARS

James R. McNabb, Utilities Administration, November 12.

George H. Young, Area Five Maintenance, November 17.

Albert C. Seals, Dimensional Inspection, November 18.

10 YEARS

Gene P. Mattie, Fabrication Division Engineering, November 16.

Joseph D. Sherrod, Dispatching Department, November 16.

James K. Bryson, Maintenance Administrative Services, November 16.

Joel H. Johnson, Special Production Scheduling and Coordination, November 16.



SMILING BIG TEAMS in the C Bowling set are seen above ready for any challenge. In the top picture, from left, are Captain Don Norris, Jack Cowen, Sam O'Neal, Bob Jago and N. V. Shamblin, on the big HiLifers team. (Cowen last week set the local alleys afire rolling a 241 game, 599 series!) In the lower photo are the Rounders . . . J. V. Haggard, W. R. McGill, Pete Gregory, Dick Brothers and Captain J. C. Bryan.

Rounders Eke Out Slim C Alley Lead As Cowen, HiLifers, Blisters Alleys

The Rounders pulled away from the Badgers in the C alley race last week, blasting the Big Five for three points.

Posting four the HiLifers moved up, downing the Royal

HiJackers Move To Starlite Tie

The Hijackers and Woodpeckers are tied for top seedings in the Carbide Starlite Bowling League, after last week's action.

The Woodpeckers knocked the away from the Jaguars and the HiJackers hit the Has Beens for two.

The Splitters took three from the Thunderbirds, and the Dynapaths dropped the Wildcats for two.

Howard Gerth, Woodpeckers, posted a 212 scratch game. W. B. Rutherford, Splitters, zeroed in with a 248 handicap single. Earl Severs, HiJackers, rolled high series of the week . . . 572 scratch, 626 handicap.

The HiJackers were high, all the way, singles of 925 scratch, 1024 handicap; series of 2577 scratch, 2874 handicap.

League standings follow:

Team	W	L
HiJackers	8	1
Woodpeckers	8	1
Has Beens	6	3
Splitters	4	5
Jaguars	3	6
Wildcats	3	6
Thunderbirds	2	7
Dynapaths	2	7

Flush. Other three point wins went to the Sunflowers by the Go Go Gophers, the Anodes over the Badgers and the Instrument Engineers past the Fireballs.

The Parbusters and Rollmasters shared two.

Jack Cowen, HiLifers, poured the coals on, posting singles of 241 scratch, 273 handicap; series of 599 scratch, 705 handicap!

The Sunflowers collected high scratch singles of 951 . . . and the HiLifers went the rest of the way . . . singles handicap of 1063; and series of 2748 scratch, 3150 handicap!

Team

Rounders

Badgers

HiLifers

Parbusters

Rollmasters

Sunflowers

Anodes

Fireballs

Big Five

Instrument Engineers

Go Go Gophers

Royal Flush

W

L

26

10

24

12

24

12

20

16

19

17

18

20

15

21

15

21

14

22

6

30

Physical Fitness

For Girls—Maybe!

If enough interest is shown, physical fitness classes for women will be held this winter. They will be conducted at the Oak Ridge High School Girls' Gym at least once a week.

Employees, and all wives of employees are eligible to participate in the physical fitness programs. If interested call Recreation, 3-7109.

Goofers Lose But Hold Mixed League Lead

The Mixed League bowlers had only one "goose egg" in Wednesday's action as the lowly Twisters took four from the Hits and Misses. Three point wins found the Alley Cats over the league-leading Goofers, and the Spare Parts did likewise from the Roses 'N Thorns. The Mustangs and Rollers split, taking two each.

Individual honors, man-wise, went to J. W. "Red" Halsey, Goofers, with a 213 scratch, and R. W. Johnson, Alley Cats, took handicap with a 240. "Red" Halsey also took series honors with a 573 and 639. For the females, Lou Sahr, Twisters, had singles of 212-249 and series of 544 scratch and 651 handicap. The Twisters took all team honors by "sweeping the boards with a scratch single 688 and handicap of 809. For the series it was 1878 and 2297.

League standings follow:

Team	W	L
Goofers	26½	13½
Alley Cats	23	17
Roses 'N Thorns	21	19
Spare Parts	20	20
Hits and Misses	18	22
Mustangs	17½	22½
Rollers	17	23
Twisters	17	23

Recreation



Monday, November 17
BOWLING: C League, 5:45 p.m. Ark Lanes.

TABLE TENNIS: 7 p.m., Wildcat's Den.

Tuesday, November 18
PHYSICAL FITNESS (For Men): 7-9 p.m., Oak Ridge High School Gym.

BOWLING: Carbide Starlite League, 8:30 p.m., Starlite Lanes, Knoxville.

STAMP CLUB: 7:30 p.m. Atomic City Stamp Club, Wildcat's Den.

Wednesday, November 19
BOWLING: Mixed League, 8 p.m. Ark Lanes.

22 CALIBRE RIFLE LEAGUE: 7 p.m. Oak Ridge Sportsmen's Association Indoor Range.

Thursday, November 20
BOWLING: Classic League, 5:45 p.m., Ark Lanes.

BADMINTON: Informal Play: 7:30-9:30 p.m. Old Jefferson Junior High School Gym, Kentucky Avenue, Oak Ridge.

Table Tennis Sees Picked Up Action

Table tennis action in the X League picked up slightly last week, as Roy Huddleston grabbed three games from Jerry Goldstein. B. G. Foutz took Jerry Keyes for two, and Loyd Wyatt by the same score.

Keyes downed Subbu Raman for two.

X League standings:

Player	W	L
Roy Huddleston, Y-12	3	0
B. G. Foutz, X-10	4	2
Loyd Wyatt, Y-12	3	3
Jerry Keyes, Y-12	3	3
Subbu Raman, X-10	2	4
Jerry Goldstein, X-10	0	3
Herb Mook, X-12	0	0
W. B. Motley, Y-12	0	0

Art Weinberger zeroed in on M. G. Zeigler for the full count in the Y-12 League. Ed Gambille posted three at the expense of Bill Bardill.

Y League standings follow:

Player	W	L
Art Weinberger, X-10	3	0
Ed Gambille, Y-12	4	2
Gordon Brewer, Y-12	2	1
Bill Bardill, X-10	0	3
M. G. Zeigler, X-10	0	3
Ram Uppluri, X-10	0	4
Ken Toth, X-10	0	0
Bob Smith, Y-12	0	0

Two Pretty Y-12 Daughters Vie In Junior Miss Pageant Saturday

The Oak Ridge Junior Miss Pageant will be held at the Robertsville Junior High School, Saturday, November 15. The pageant is jointly sponsored by the Jaycees and the Jaycettes in cooperation with Radio Station WATO. There are 14 participants, all seniors in Oak Ridge High School. Y-12 proudly presents its two challengers.

Vickie Johnson, the daughter of a retired Y-12er, Paul J. Johnson, Sr., is a talented young miss with light brown hair and hazel green eyes. She has been the winner of the scholastic award at her church camp: "Miss Youth Camp" of the same group; Miss Tennessee of the Church of God for the entire state of Tennessee; was Oak Ridge High's representative to Girls' State last year, where she was elected governor; was chosen as one of two representatives to represent Tennessee at Girls' Nation where she was appointed chairman of the subversive activities control board; is secretary of the Student Council at ORHS.

Interests are wide and varied for Vickie . . . tennis, basketball, softball, horseshoe, ping-pong, teaching piano, trying to meet new and interesting people. She attends the Pentecostal church where she is assistant Sunday school teacher, organist, and secretary of her Youth Fellowship group. At Saturday's pageant she will plan Chopin's Polonaise on the piano. She hopes for a career in music or journalism.

Y-12's other entry in the talented contest is Barbara Moehl, daughter of W. H. Moehl, Technical Division.

Barbara plays a clarinet in the Oak Ridge High School band . . . and is also proficient on the piano. She sings, dances, and will do a reading Saturday entitled Rhyme Time.

With dark brown hair, Barbara has brown eyes.

She is vitally interested in archeology and hopes to plan a career in that field. Camping, Hiking, sewing, cooking, canoeing, along with her music occupy much of the attractive teen-ager's interests.

Barbara attends the Lutheran Church, where she is a member of the Luther League and the choir. At school she is active in the Masquers, AEC, German Club, and the Girl Scouts.

Vickie is sponsored in the event by The House, and Barbara is sponsored by the Holiday Inn of Oak Ridge.

The winner of the contest Saturday will receive a \$150 scholarship to the college of her choice, a diamond necklace, a Junior Miss Trophy, a \$375 Charm School scholarship from Mr. Lynn's of Knoxville, and an opportunity to participate in the Tennessee Junior Miss Pageant in Chattanooga in January.

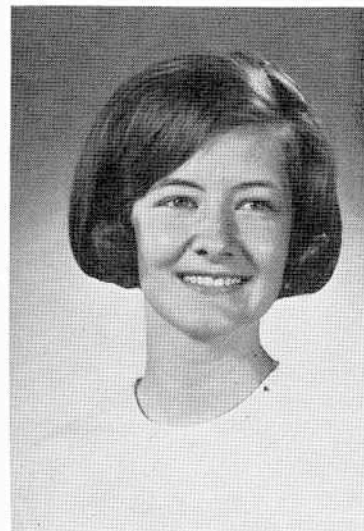
That's Saturday, 8 p.m., at Robertsville Junior High School. Admission is \$2 per adult, \$1.50 for students.

Badminton Informal Play Held Thursdays

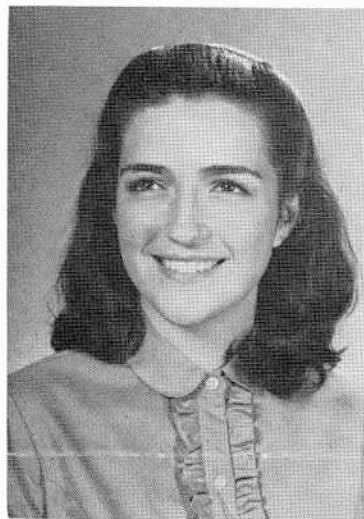
Informal badminton play has commenced for Carbiders at the Old Jefferson Junior High School, Kentucky Avenue.

The play takes place each Thursday from 7:30 until 9:30 p.m. and will continue through December 5 . . . longer if interest is up, i.e. if enough participants show, the badminton will be set for the winter. That's at the Old Jefferson Junior High School gym, near Jackson Square, Oak Ridge.

Careless hurry may mean endless worry.



Vickie Elaine Johnson



Barbara Moehl

Markers Increase Lead In Classic

The Markers added again to their already wide lead in the Classic League by "bowling-over" a three-point win from the Has Beens. Other three-point winners were the Rippers "sawing" the Bumpers, the Cubs "pasting" the Splinters, the Pinbusters mauled the Eightballs, and the Eagles "clawed" the Playboys. Two four-point wins were recorded as the Tigers clobbered the Swingsters, and the Screwballs "zeroed" the Smelters. Playing "live and let live" were the Rebels and All Stars who took two points each.

"Gib" Hatmaker, Eagles, took single game honors with a 232 and 266. Individual series-wise it was Wayne Groppe, Rippers, with a 607 scratch. Don Forrester, Rebels, took handicap with 675. Team honors went four ways—the Rebels with a scratch single game of 944, and the Markers with a handicap of 1059. Scratch series went to the Bumpers with 2645, and the Rippers copped the handicap honor with 3007.

Team	W	L
Markers	32½	7½
Rebels	24	16
All Stars	23½	16½
Has Beens	22	18
Cubs	22	18
Rippers	21½	18½
Tigers	21	19
Bumpers	20	20
Eightballs	20	20
Playboys	19	21
Pinbusters	18½	21½
Screwballs	18½	21½
Splinters	18	22
Swingsters	15½	24½
Smelters	14	26
Eagles	10	30

SURE FIRE METHOD

A good way to eliminate strangers from your life . . . befriend them.



STERLING SOLICITORS FOR the United Fund include these representatives from various divisions in Y-12: (from left), N. B. Bloomer and L. A. Taylor, Fabrication; Blanche Miller, Materials and Services; William Poulson, Fabrication; E. F. Greer, Plant Shift Superintendents and Utilities; J. E. Schultz, Materials and Services; C. W. Hawkins, Fabrication; and H. L. Martin, Engineering. Well done!



UNITED FUND BOOSTERS who sent their departments soaring over their goals in the recent successful drive include the above people: W. C. Hoppe and Cliff Anderson, Accounting and Budgets; Russ Ralston, Assembly; J. J. McNabb, Metal Preparation; Larry Phillips, Development; Earl Manis, Fabrication; Harry E. Shatley, Metal Preparation; James C. Moon, Metal Preparation; W. S. Porter, Employee Services; Ann Ware, Wage Standards; Sylvester Satcher, Personnel, and Bill Weaver, Accounting and Budgets.

Miskell Is Named To National Post

Ron V. Miskell, staff engineer in the Numerical Control Engineering Department, has been appointed chairman of a national committee of the Electronic Industries Association.

The committee has both national and international responsibilities in the formulation of industrial standards for numerically controlled machines—machines operated automatically by programmed tapes.

Miskell, who came here in 1958, has authored numerous articles and papers on the subject of numerical control. He and his wife, Barbara, reside at 5604 Cliffwood Road, Knoxville, with their children, Michael and Terry.



Ron V. Miskell

'Take It Easy' You'll Age Longer!

Even men who are used to strenuous work have to take things in a moderate way as they grow older. Get your rest at home so that you do not get overtired, fall behind and rush on the job. That's when you usually get careless and an accident can happen. Be sensible as the years go by. Exercise moderately and keep active but don't push your luck by trying to maintain your pace of 20 years earlier. Plan your work carefully and always allow that extra time needed to carry out your activity without having to push.

It may not be your fault; only your funeral.



UNION CARBIDE CORPORATION

NUCLEAR DIVISION

P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

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Permit No. 71

United Fund Honor Roll

Final reports in the United Fund drive show about 95 per cent of Y-12's departments over the established goal. Let's make sure next year that the figure is 100 per cent!

Accounting & Budgets
SS Warehousing & Shipping
Assembly Operations
Alpha Five Assembly
Development Operations
Chemical Engineering
Development
Laboratory Development
Long Range Planning
Process Analysis
Engineering Division
Engineering Mechanics
Environmental Control
Engineering
Production Assay
Electrical and Electronics
Laundry
Instrument Engineering
Tool Engineering
Numerical Control Engineering
Machine Maintenance
General Machine Shop
General Weld Shops
General Field Shops
General Metal Fabrication Shop
General Shop Job Liaison
Beta Four Heavy Machine Shop
9766 Machine Shop
Alpha 5 East Shop
Alpha 5 West Shop
Material Specimen Shop
Rover Fabrication
Graphite Shop
A-2 Shops—9212
Tool Grinding
Industrial Relations
Administration
Publications
Training
Recreation
Clerical Pool
Employment
Cafeteria
Maintenance Administration
Process Maintenance
Maintenance Division
Research Services
Garage
Area Five Maintenance
Plant Records
Materials & Services
Administration
Traffic
Material Control
Special Services
Casting Department
Beta 2 Forming
H-1 Foundry
Assembly Technical Staff
Electrical Engineering
General Can Fabrication Shop
Safety
Building Services Department
Salvage
Receiving
Dimensional Inspection
9215 Rolling
Special Production Scheduling
and Coordination
Critical Path and Regular
Production Scheduling
General Plant Tooling
Coordination
Material Procurement
Product Engineering
Security
Shift Superintendents
Public & Technical Information
Graphics & Public Information
Wage Standards & Personnel
Records
Superintendents
Technical Administration

Criticality Studies
Data Processing
Data Systems Development
Statistical Services
SS Material Control
Laboratory Operations
Production Analysis
Gage Certification Laboratory
Quality Assurance
Physical Testing Operations
Bricklayers
Building Services
Culinary Workers
Painters
Asbestos Workers
Machinists
Guards
Carpenters
Sheet Metal Workers
Pipefitters
Electricians
Operating Engineers
Chemical Workers
Boilermakers

Missouri Plant Planned By UCC

Plans for the construction of a dry battery plant in Maryville, Missouri, have been announced by Birny Mason Jr., chairman of the board of Union Carbide Corporation. Site preparations for a 167,000-square-foot building will begin immediately and completion of the plant is expected late in 1970.

The new plant, which will be operated by the corporation's Consumer Products Division, will manufacture Eveready batteries for flashlights, transistor radios, and general applications. James M. Rehfield, president of the Consumer Products Division, stated that "The Missouri location was selected because of its manufacturing and distributing advantages and the attractiveness of the Maryville community." The division's battery and flashlight plants in the United States are at Red Oak, Iowa; Asheboro, Charlotte, and Greenville, North Carolina; Cleveland and Fremont, Ohio; and Bennington and St. Albans, Vermont.

Union Carbide is the world's leading producer of dry batteries, with 26 plants in 17 countries around the globe. In addition to Eveready batteries, Union Carbide's Consumer Products Division markets Prestone anti-freeze and car care products; Glad plastic wrap, bags, and Glax; "6-12" insect repellent; Quintessa jewelry; and Lindé Stars.

'CHLORINATED' GASOLINE

Over nine-tenths of the 77 billion gallons of gasoline consumed in the United States each year depend on chlorine for smooth power. Without the anti-knock compounds derived from chlorine, consumers would be forced to pay considerably more for gasoline to match the high-performance engines of today's automobiles.

MANY HOLIDAYS

Only 64 days out of the entire year fail to qualify as legal holidays for somebody, somewhere in the world!